Monitoring Data Record

Project Title: US 70 in Salisbury (R-2911E) COE Action ID: 200221536

Stream Name: Setman Branch DWQ Number: 030908
City, County and other Location Information: Salisbury, Rowan Co., Sta. 8+35 to Sta. 8+85
Date Construction Completed: Water was turned and streambank reforestation was completed in March 2006.
Monitoring Year: (1) of 5
Ecoregion: 8 digit HUC unit 03040102
USGS Quad Name and Coordinates:
Rosgen Classification: Proposed Reach is a E5 stream type
Length of Project: 180.4' Urban or Rural: Urban Watershed Size:
Monitoring DATA collected by: M. Green , J. Young, and J. Elliott Date: 9/4/07
Applicant Information:
Name: NCDOT Roadside Environmental Unit
Address: 1425 Rock Quarry Road Raleigh, NC 27610
Telephone Number: (919) 861-3772 Email address: mlgreen@dot.state.nc.us

Consultant Information:
Name:
Address:
Telephone Number: Email address:

Project Status: Complete

Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level (**1**) ~~2~~ ~~3~~
Monitoring Level 1 requires completion of *Section 1, Section 2 and Section 3*
Permit States: NCDOT shall perform the following components of Level I monitoring twice each year for the 5 year monitoring period (summer and winter): Reference photos, plant survival, and visual inspection of channel stability. If less than two bankfull events occur during the first 5 years, NCDOT shall continue monitoring until the second bankfull event is documented. The bankfull events must occur during separate monitoring years. In the event that the required bankfull events do not occur during the 5 year monitoring period, the USACE, in consultation with resource agencies, may determine that further monitoring is not required.

Section 1. PHOTO REFERENCE SITES
(Monitoring at all levels must complete this section)

Total number of reference photo locations at this site: 3 photo point locations

Dates reference photos have been taken at this site: 1/30/07, 9/4/07

Individual from whom additional photos can be obtained (name, address, phone):

Other Information relative to site photo reference:

If required to complete Level 3 monitoring only stop here; otherwise, complete section 2.

Section 2. PLANT SURVIVAL
Attach plan sheet indicating reference photos.

Identify specific problem areas (missing, stressed, damaged or dead plantings):

Estimated causes, and proposed/required remedial action:

ADDITIONAL COMMENTS: The planted vegetation is surviving. Vegetation noted onsite consisted of black willow, silky dogwood, tulip poplar, lespedeza, fennel, cattail, cut grass, jewelweed, goldenrod, sedge, *Juncus* sp., and various grasses. The buffer area on the right side of the stream has been mowed due to the power line right-of-way easement being maintained.

If required to complete Level 1 and Level 2 monitoring only stop here; otherwise, complete section 3.

Section 3. CHANNEL STABILITY

Visual Inspection: The entire stream project as well as each in-stream structure and bank stabilization/revetment structure must be evaluated and problems addressed.

Report on the visual inspection of channel stability. Physical measurements of channel stability/morphology will not be required. Include a discussion of any deviations from as-built and an evaluation of the significance of these deviations and whether they are indicative of a stabilizing or destabilizing situation.

This is the first year of monitoring at the Setman Branch stream relocation. The streambanks are stable throughout the entire site. NCDOT will continue to monitor this onsite stream relocation.

Date Inspected	Station Number	Station Number	Station Number	Station Number	Station Number
Structure Type					
Is water piping through or around structure?					
Head cut or down cut present?					
Bank or scour erosion present?					

NOTE: Attach separate narrative sheets to each monitoring report describing/discussing the overall monitoring results. Include the identification of specific problem areas/channel failures, estimated cause and proposed/required remedial action. This should include a brief discussion of any parameter that has changed significantly from as-built.

Setman Branch

PP #1 Looking downstream from box culvert

PP #2 Upstream

PP #3 Downstream

PP # 4 Looking upstream from driveway pipe

Year 1 Summer – September 2007